## IN THE CLAIMS

## Listing of Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

**Claim 1 (original):** An apparatus for temperature conditioning a seat that is exposed to an environment, said apparatus comprising:

a first heat exchanger coupled to a seat, said first heat exchanger forming a liquid tight bladder through which a first heat transfer fluid is circulated;

a second heat exchanger in fluid communication with said first heat exchanger;

a first pump for forcing said first heat transfer fluid between said first heat exchanger and said second heat exchanger;

a thermoelectric device having a first surface and a second surface, said first surface thermally coupled to said second heat exchanger;

a third heat exchanger thermally coupled to said second surface of said thermoelectric device;

a radiator in fluid communication with said third heat exchanger;

a second pump for forcing a second heat transfer fluid between said third heat exchanger and said radiator; and

a controller providing power to said thermoelectric device, said controller selectively heating one of said first and second surfaces, said controller selectively cooling the other of said first and second surfaces.

**Claim 2 (original):** The apparatus of Claim 1 wherein said second heat exchanger includes an air chamber.

**Claim 3 (original):** The apparatus of Claim 1 further including a means for forming an air chamber in said second heat exchanger.

Atty Docket: 29031.00 00006401.doc Claim 4 (original): The apparatus of Claim 1 further including a temperature selector, said temperature selector in communication with said controller, said controller varying a current flowing through said thermoelectric device.

**Claim 5 (original):** The apparatus of Claim 1 further including a switch for reversing a polarity of a direct current voltage applied to said thermoelectric device.

**Claim 6 (original):** An apparatus for temperature conditioning a seat that is exposed to an environment, said apparatus comprising:

- a first heat exchanger coupled to a seat;
- a second heat exchanger in fluid communication with said first heat exchanger;
- a first pump for forcing a first heat transfer fluid between said first heat exchanger and said second heat exchanger;
- a thermoelectric device having a first surface and a second surface, said first surface thermally coupled to said second heat exchanger;
- a third heat exchanger thermally coupled to said second surface of said thermoelectric device; and
- a controller providing power to said thermoelectric device, said controller selectively heating one of said first and second surfaces, said controller selectively cooling the other of said first and second surfaces.
- Claim 7 (original): The apparatus of Claim 6 wherein said second heat exchanger includes an air chamber.
- **Claim 8 (original):** The apparatus of Claim 6 further including a means for forming an air chamber in said second heat exchanger.
- **Claim 9 (original):** The apparatus of Claim 6 further including a temperature selector, said temperature selector in communication with said controller, said controller varying a current flowing through said thermoelectric device.

**Claim 10 (original):** The apparatus of Claim 6 further including a switch for reversing a polarity of a direct current voltage applied to said thermoelectric device.

Claim 11 (original): The apparatus of Claim 6 further including a radiator in fluid communication with said third heat exchanger and a second pump for forcing a second heat transfer fluid between said third heat exchanger and said radiator.

**Claim 12 (withdrawn):** The apparatus of Claim 6 further including a heat sink on said third heat exchanger, and a fan circulating air across said heat sink.

**Claim 13 (original):** The apparatus of Claim 6 wherein said first heat exchanger is a coil imbedded in said seat, said first heat transfer fluid flowing through said coil.

**Claim 14 (original):** The apparatus of Claim 6 wherein said first heat exchanger is a bladder with channels for directing said first heat transfer fluid through said bladder.

**Claim 15 (original):** The apparatus of Claim 6 further including a safety cutout device for stopping a direct current voltage applied to said thermoelectric device, said safety cutout device sensing a temperature and operating when said sensed temperature exceeds a selected temperature.

**Claim 16 (original):** The apparatus of Claim 15 further including a thermistor for sensing said temperature.

**Claim 17 (original):** An apparatus for temperature conditioning a seat that is exposed to an environment, said apparatus comprising:

a means for changing a temperature of a liquid;

a means for transferring said liquid to a heat exchanger coupled to a seat; and a means for conducting thermal energy between said liquid and said seat. **Claim 18 (original):** The apparatus of Claim 17 further including a means for controlling a temperature of said liquid.

Claim 19 (original): The apparatus of Claim 17 further including a means for transferring thermal energy between said means for changing said temperature and the environment.

**Claim 20 (withdrawn):** An apparatus for temperature conditioning a seat that is exposed to the environment, said apparatus comprising:

- a heat sink;
- a fan circulating air across said heat sink;
- a thermoelectric device having a first surface and a second surface, said first surface thermally coupled to said heat sink;
- a first heat exchanger thermally coupled to said second surface of said thermoelectric device;
  - a seat heat exchanger;
- a heat transfer liquid in thermal communication with said first heat exchanger and said seat heat exchanger; and
  - a pump for circulating said heat transfer liquid;

whereby said thermoelectric device selectively heats and cools said heat transfer liquid, which selectively heats and cools the seat.

**Claim 21 (withdrawn):** The apparatus of Claim 20 further including a controller and a temperature selector, said temperature selector in communication with said controller, said controller varying a current flowing through said thermoelectric device.

**Claim 22 (withdrawn):** The apparatus of Claim 21 further including a thermistor for sensing a temperature, said thermistor communicating with said controller.

**Claim 23 (withdrawn):** The apparatus of Claim 20 further including a switch for reversing a polarity of a direct current voltage applied to said thermoelectric device, said switch causing said second surface to selectively heat and cool said heat exchanger.

Atty Docket: 29031.00 00006401.doc